RACKMOUNT

DUAL RAIL / SINGLE RAIL

LCD CONSOLEs

KVM

SWITCHes

MANUFACTURED IN TAIWAN

Broadrack provides optimize your space utilization by controlling your system in just 1U rack space

Unicorn 15 / 17 / 19 / 19W

Single rail 15 / 17 / 19 / 19" wide-screen LCD console with modular KVM switch

Unicorn series Single Rail consoles offer industrial level input solution to optimize your space utilization by controlling your systems in just 1U. With the unique modular design, you can easily integrate more than 18 models of KVM switches with different functions and expand the connections up to 8 levels of the KVM switches.

Single Rail | 15/17/19" TFT LCD | 18 Various Keyboard | Modular Design KVM Switch | 8/16/32 Ports KVM Switch | SUN Microsystems | PS/2 USB Interface | ROHS Compliant

Modular KVM Design

- Scalable solution
- UP to 32 ports
- Integrate 18 models of KVM switches in 1U form factor to optimize space limitation

Remote Access

- Up to 32 port CAT5 KVM switches
- IP KVM switches
- Combo free KVM switches
- Expand to dual Console using IP module or CAT5 module
- KVM switches upgradable to dual access console

Multi-platform Support

- The LCD console support multi-platforms: PC, MAC and SUN micro system. It can cross platform to control different interface
- No software required
- Select PCs using OSD and Hotkeys

Features

- Easy to install, single rail design.
- 15 / 17 / 19 / 19" wide-screen LCD panel for option
- Support Sun native resolution (Unicorn 17 / 19 / 19W)
- Support 18 various keyboard languages (increasing)
- Bright Active TFT display
- OSD function for LCD display and KVM switch
- Durable keyboard with touchpad
- Panel protected by tempered glass
- Integration with more than 18 models of KVM switches
- Touch panel and Sun keys (optional)
- With our fully modular IP & CAT5 modules, our customers can create 15 models of KVM Switch from 5 basic models

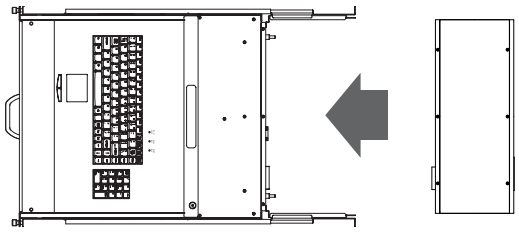
Benefits

1. Cost effective solution: With our unique design and all the options, you can easily suffice the demand for your customer at reasonable cost.
2. Time to serve your customer: With the modular KVM, you can easily turn single port console into 8 / 16 / 32 ports console to serve your customer well.
3. Keep low inventory: From the 4 models of consoles and 18 models of KVM switches, IP Module and CAT5 Module, you can create total 76 models in Unicorn series. It is the best solution for inventory control.
4. Easy to maintain: Once the defective comes from the KVM switch, you can just swap the KVM switch module without asking your customer to send the whole console back to you.
5. Save freight cost: Since you have to keep only 4 models of consoles and generate new models by yourself, you can ship all the goods by sea instead of by air. In case, you run out of the KVM switch stock, it is much cheaper to ship the KVM switch modules by air.

Advantage

1. Easy to install : With the unique separate rail design. One man can install the Unicorn console easily. In case you need to maintain the console, you can easily uninstall without effecting the server above or below.
2. Modular KVM switches : The user can use Unicorn series console as single port console or through some simple action and few screws to be 8 / 16 even 32 ports KVM consoles.
3. Various keyboard language support: to fit the demand of each individual countries.
4. Most LCD size available in the market: We offer 15 / 17 / 19 / 19" wide-screen LCD for Unicorn series console.

Usage Diagram



Console body

Modular KVM Switch (optional)

Unicorn 15 / 17 / 19 / 19W Specification

Model Name	Unicorn 15	Unicorn 17	Unicorn 19	Unicorn 19W
Dimension	470.1 x 447.5 x 44 mm (18.5 x 17.6 x 1.7 inches)	470.1 x 447.5 x 44 mm (18.5 x 17.6 x 1.7 inches)	520.1 x 447.5 x 44 mm (24.5 x 17.6 x 1.7 inches)	527.2 x 436.4 x 43.8 mm / 20.8 x 17.2 x 1.7 inches
Package Dimension	606 x 551.5 x 230 mm (23.9 x 21.7 x 9.0 inches)	606 x 551.5 x 230 mm (23.9 x 21.7 x 9.0 inches)	606 x 551.5 x 230 mm (23.9 x 21.7 x 9.0 inches)	827 x 564 x 206 mm / 32.6 x 22.2 x 8.1 inches
Net Weight	12.0 Kg / 26.5 lbs	13.0 Kg / 28.7 lbs	14.0 Kg / 30.9 lbs	14.0 Kg / 30.9 lbs
Gross Weight	19.5 Kg / 43.0 lbs	20.5 Kg / 45.2 lbs	21.5 Kg / 47.4 lbs	21.5 Kg / 47.4 lbs
Display Size	15 inches	17 inches	19 inches	19 inches wide-screen
Panel Type	Active Matrix TFT LCD	Active Matrix TFT LCD	Active Matrix TFT LCD	Active Matrix TFT LCD
Resolution Capabilities	Max. up to 1024 x 768 (XGA)	Max. up to 1280 x 1024 (SXGA)	Max. up to 1280 x 1024 (SXGA)	Max. up to 1440 x 900 (WXGA)
Pixel Pitch	Supports 0.297 mm x 0.297 mm	Supports 0.264 mm x 0.264 mm	Supports 0.098 mm x 0.294 mm	Supports 0.095 mm x 0.285 mm
Viewing Angle (CR>10)	Right-Left view 130° (Typ) Up-Down View 100° (Typ)	Right-Left view 170° (Typ) Up-Down View 160° (Typ)	Right-Left view 170° (Typ) Up-Down View 160° (Typ)	Right-Left view 90° (Typ) Up-Down View 65° (Typ)
Contrast Ratio	400 : 1	1000 : 1	1000 : 1	700 : 1
Brightness	White 250 cd/m^2	White 250 cd/m^2	White 250 cd/m^2	White 200 cd/m^2
Back Light	Dual Lamps for Back Light	Dual Lamps for Back Light	Dual Lamps for Back Light	Dual Lamps for Back Light
Supported Colors	16M Colors (6-bit with FRC)	16.7M Colors (6-bit with FRC)	16.7M Colors (6-bit with FRC)	16.7M Colors (6-bit with FRC)
Response Time	Rise Time 5 ms Decay Time 11 ms	Rise Time 3.8 ms Decay Time 1.2 ms	Risie Time 3.6 ms Decay Time 1.4 ms	Rise Time 3.6 ms Decay Time 1.4 ms
Power Consumption	16W, 10.41W for Panel	9.91W	11.03W	15.5 W
Signal Connections	1			
Connectors	1 x VGA HDDB-15 pin, 2 x PS/2 Mini Din 6 pin, 1 x USB (2 x USB - Unicorn 19W only), 1 x PS/2-USB switch, 1 x DC Jack, 1 x RR4 36 pin socket for modular KVM switch, 1 x DVI (Unicorn 19W only)			
Power Source	100 ~ 240 VAC input			
Sync	45 ~ 80 KHz			
Keyboard Mouse	106 key PS/2 keyboard with touch pad			
Connect	Support PS/2 and USB			
System Cables	VGA + PS/2 x 2 cable or VGA + USB x 1 cable (DVI + PS/2 x 2 or DVI + USB x 1 cable - Unicorn 19W only)			
Operating System	Dos, Unix, Linux, OSX, Windows (XP, 7, 8, Server 2012 R2)			
Temperature	Operate 0 ~ 50 °C / 32 ~ 122 °F, Storage -20 ~ 60 °C / -4 ~ 140 °F			
Humidity	10% ~ 90% RH			
Chassis Construction	Heavy duty steel materials			
Keyboard Language	US, UK, German, French, Spanish, Italian, Portuguese, Dutch, Swiss, Belgium, Swedish, Norwegian, Danish, Japanese, Mandarin, Russian, Hebrew, Arabic			

Modular KVM Switch Specification

Model Name	Venus 8D / 16D	Venus 8D IP / 16D IP	Venus 8D C5 / 16D C5	Jupiter 8D / 16D
KVM Switch Type	Combo-free KVM Switch	Combo-free KVM Switch with IP module as second console	Combo-free KVM Switch with CAT5 module as second console	USB Hub KVM Switch
PC Port Connector (All Female Types)	HDDB-15 pin	HDDB-15 pin	HDDB-15 pin	VGA HDDB-15 pin
PC Ports	8 / 16	8 / 16	8 / 16	8 / 16
Max. Distance (KVM switch -- Host)	10 m (32 feet)	10 m (32 feet)	10 m (32 feet)	1.8 m (5.9 feet)
Video Resolution (Local Console)	1920 x 1440	1920 x 1440	1920 x 1440	1920 x 1440
Video Resolution (Remote Console)		1280 x 1024	1600 x 1200 for 500 feet 1024 x 768 for 1000 feet	
Remote Console		RJ-45 8P8C for 10/100M Ethernet remote IP console. Connector: 1 x RJ-45 Connector, 1 x Serial Port, 1 x Mini 5-Pin USB for mass storage	1 x RJ-45 Connector, CAT5 console up to 1000 feet away from KVM switch with superior auto-adjust RGB gain/delay control capability	
Daisy Chain Port	Support Daisy Chain function with 8-layer Bus topologies. Connector: 1 x HDDB-15 pin (Female Type)			
Keyboard / Mouse	PS/2 or USB			
Max. PC Connection	120 / 128			
PC Selection	On Screen Display (OSD) Menu, Hot Key			
Security	Provide ACL (Access Control List) security function, store up to 8 independent controllable PC lists			
Multilingual OSD (On Screen Display) Control	8 languages (English, France, Germen, Spanish, Italian, Russian, Japanese, Chinese)			
Auto-Scan Intervals	5 ~ 99 Sec.			
Operation Temperature	0 ~ 50 °C			
Storage Temperature	-20 ~ 60 °C			
Humidity	0 ~ 80 %, Non-Condensing			0 ~ 95 %, Non-Condensing
Net Weight	2.0 Kg / 4.4 lbs			
Dimension	420 x 170 x 44 mm / 16.5 x 6.7 x 1.7 inches			

Modular KVM Switch Specification

Model Name	Mars 8D / 16D / 32D	Mars 8D IP / 16D IP / 32D IP	Mars 8D C5 / 16D C5 / 32D C5
KVM Switch Type	CAT5 KVM Switch	CAT5 KVM Switch with IP module as second console	CAT5 KVM Switch with CAT5 module as second console
PC Port Connector (All Female Types)	RJ-45	RJ-45	RJ-45
PC Ports	8 / 16 / 32	8 / 16 / 32	8 / 16 / 32
Max. Distance (KVM switch -- Host)	40 m (133 feet)	40 m (133 feet)	40 m (133 feet)
Video Resolution (Local Console)	1920 x 1440	1920 x 1440	1920 x 1440
Video Resolution (Remote Console)		1280 x 1024	1600 x 1200 for 500 feet 1024 x 768 for 1000 feet
Remote Console		RJ-45 8P8C for 10/100M Ethernet remote IP console. Connectors: 1 x RJ-45 Connector, 1 x Serial Port, 1 x Mini 5-Pin USB for mass storage	1 x RJ-45 Connector CAT5 console up to 1000 feet away from KVM switch with superior auto-adjust RGB gain/delay control capability
Daisy Chain Port	Support Daisy Chain function with 8-layer Bus topologies. Connector: 1 x HDDB-15 pin (Female Type)		
CAT5 Combo Dongle	3-to-1 CAT5 combo transmitter dongle. Combine three cables (keyboard, mouse and VGA) into one CAT5 cable before connecting to KVM switch. Support PS/2 and USB cable in the same dongle.		
Max. PC Connection	120 / 128 / 144		
Keyboard / Mouse	PS/2 or USB		
PC selection	On Screen Display (OSD) Menu, Hot Key		
Security	Provide ACL (Access Control List) security function, store up to 8 independent controllable PC lists		
Multilingual OSD (On Screen Display) control	8 languages (English, France, Germen, Spanish, Italian, Russian, Japanese, Chinese)		
Auto-Scan Intervals	5 ~ 99 Sec.		
Operation Temperature	0 ~ 50 ˚C		
Storage Temperature	-20 ~ 60 ˚C		
Humidity	0 ~ 80 %, Non-Condensing		
Net Weight	2.0 Kg / 4.4 lbs		
Dimension	420 x 170 x 44 mm / 16.5 x 6.7 x 1.7 inches		

KVM Switch Add-ons

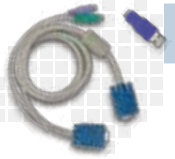
IP module
Remote access for KVM switch

CAT5 module
Remote access for KVM switch

R-Box
Remote access for KVM switch

T-Dongle-C
CAT5 Transmitter with PS/2 to USB adapter

KC 1501C / 1503C / 1505C
Signal KVM cable



Modular Design LCD Console Add-ons

Venus 8D / 16D
8 / 16 ports modular combo-free KVM switch

Mars 8D / 16D / 32D
8 / 16 / 32 ports modular CAT5 KVM switch

Jupiter 8D / 16D
8 / 16 ports modular USB Hub KVM switch

Stand Alone KVM Switches

Mercury 8 / 16
8 / 16 ports PS/2 KVM switch

Venus 8 / 16
8 / 16 ports combo-free KVM switch

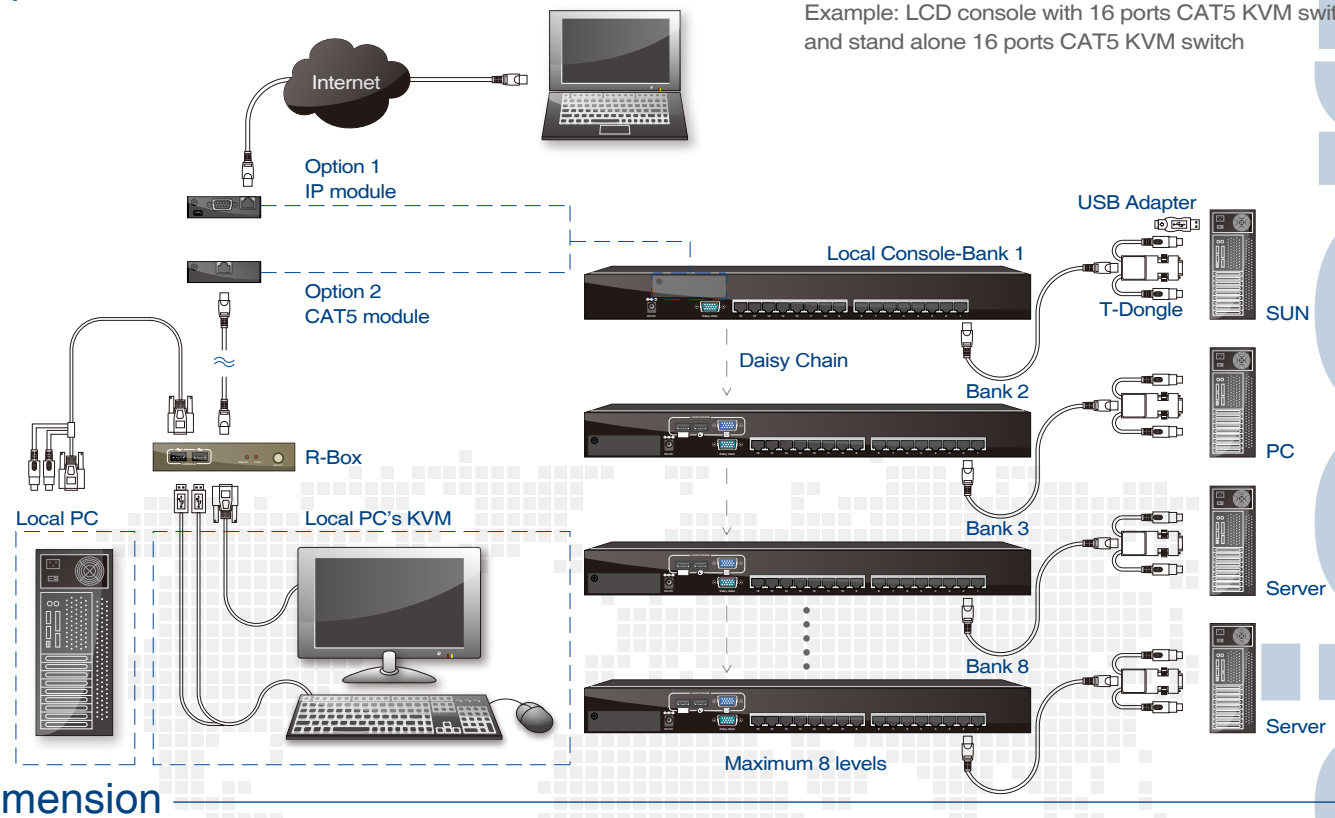
Venus 8 / 16 IP & Mars 8 / 16 IP
KVM over IP with 8 / 16 ports combo-free or CAT5

Mars 8 / 16
8 / 16 ports CAT5 KVM switch

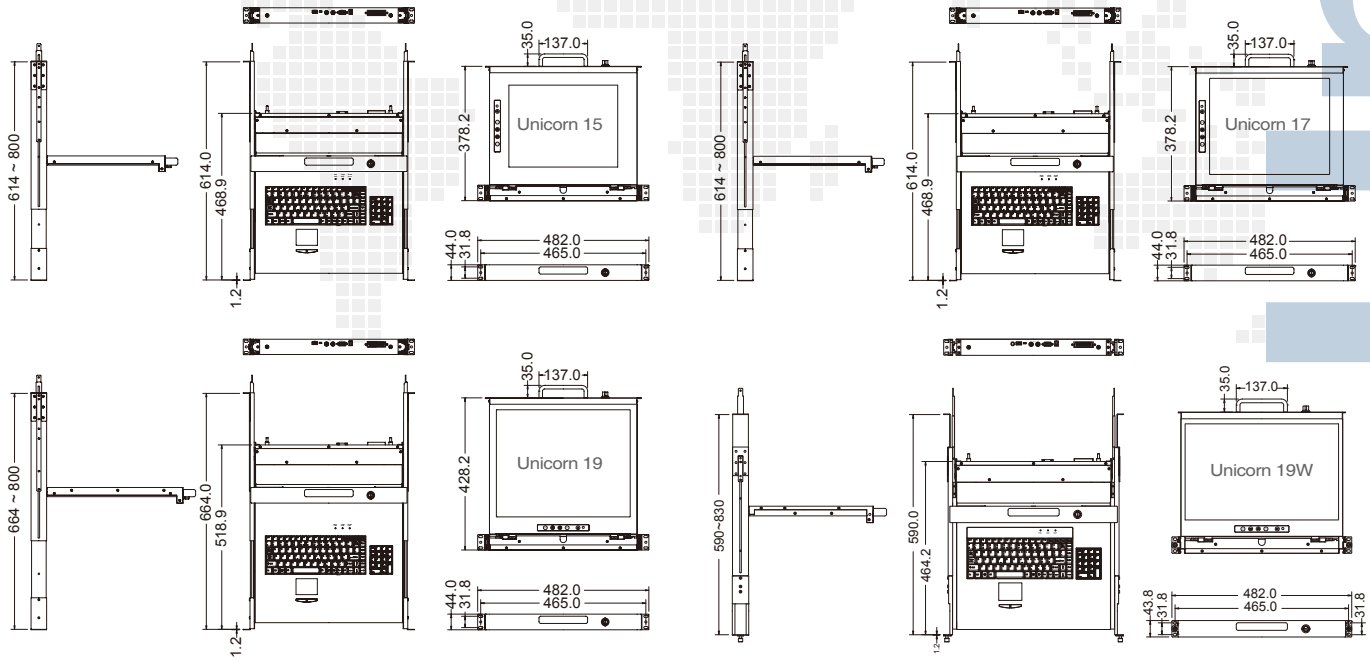
Jupiter 8 / 16
8 / 16 ports USB Hub KVM switch

Application

Example: LCD console with 16 ports CAT5 KVM switch and stand alone 16 ports CAT5 KVM switch

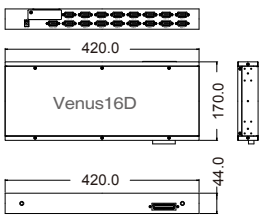


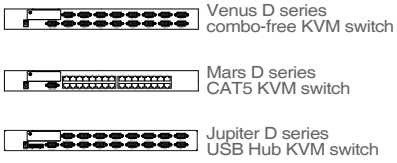
Dimension



LCD Console Options

- Color (Black / Beige / OEM color)
- Touch screen (USB or RS232)
- Additional SUN function key (Unicorn 17 / 19 / 19W)
- Signal cable 1.8m (cable 6 ft)
- Audio function
- DVI Interface





Adaptable Cabinet Depth of LCD Console

Model Name	Unicorn 15	Unicorn 17	Unicorn 19	Unicorn 19W
Depth of Console without modular KVM Switch	470 mm	470 mm	519 mm	526 mm
Adaptable Cabinet depth	504 ~ 1000 mm	504 ~ 1000 mm	554 ~ 1000 mm	666 ~ 962 mm
Depth of Console with modular KVM Switch	648 mm	648 mm	697 mm	704 mm
Adaptable Cabinet depth	614 ~ 1000 mm	614 ~ 1000 mm	664 ~ 1000 mm	666 ~ 962 mm

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BROADRACK
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